

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-22. (Canceled)

23. (Previously Presented) A denitration system comprising

- (A) a first reactor that has an inlet and an outlet and that is packed with a heat treated active carbon having an atomic surface oxygen/ surface carbon ratio of 0.05 or less;
- (B) a second reactor that has an inlet and an outlet and that is packed with said heat treated active carbon, wherein the outlet of the first reactor is connected to the inlet of the second reactor;
- (C) an ammonia supply line that is connected the inlet of said first reactor;
- (D) a system inlet that is connected to the inlet of said first reactor; and
- (E) a system outlet that is connected to the outlet of the second reactor.

24. (Previously Presented) The denitration system of claim 23, wherein the heat treated active carbon is a heat treated carbon fiber.

25. (Previously Presented) A denitration system comprising

- (A) a first reactor that has an inlet and an outlet and that is packed with a heat treated active carbon having an atomic surface oxygen/ surface carbon ratio of 0.05 or less;
- (B) a second reactor that has an inlet and an outlet and that is packed with said heat treated active carbon;
- (C) an ammonia supply line that is connected to the inlet of the first reactor through a first valve and to the inlet of the second reactor through a second valve;
- (D) a system inlet that is connected to the inlet of the first reactor through the first valve and to the inlet of the second reactor through the second valve; and
- (E) an outlet of the denitration system,

wherein

- (i) the outlet of the first reactor is connected to the inlet of the second reactor through

the third valve and to the system outlet through the fourth valve,

(ii) the outlet of the second reactor is connected to the system outlet through the fifth valve and the inlet of the first reactor through the sixth valve, and

(iii) if the first, third and fifth valves are open, the second, fourth and sixth valves are closed, and if the first, third and fifth valves are closed, the second, fourth and sixth valves are open.

26. (Previously Presented) The denitration system of claim 25, wherein the heat treated active carbon is a heat treated carbon fiber.

27. (Currently Amended) A denitration system comprising

(A) a denitrator that has an inlet and an outlet and that is packed with a heat treated active carbon having an atomic surface oxygen/ surface carbon ratio of 0.05 or less;

(B) a first NH_3 adsorber that has an inlet and an outlet;

(C) a **second** ~~first~~ NH_3 adsorber that has an inlet and an outlet;

(D) a first ammonia supply line;

(E) a second ammonia supply line;

(F) a system inlet; and

(G) a system outlet,

wherein

(i) the system inlet is connected to the inlet of the first adsorber via a first valve and to the outlet of the second adsorber through the second valve;

(ii) the first ammonia supply line is connected to both the inlet of the denitrator and the outlet of the first adsorber through a third valve;

(iii) the second ammonia supply line is connected to both the outlet of the denitrator and the inlet of the second adsorber through a fourth valve;

(iv) the inlet of the denitrator is connected to the outlet of the first adsorber;

(v) the outlet of the denitrator is connected to the inlet of the second adsorber;

(vi) the outlet of the second adsorber is connected to the system outlet through a fifth valve;

(vii) the inlet of the first adsorber is connect to the system outlet through a sixth valve;

and

(viii) if the first, third and fifth valves are open, the second, fourth and sixth valves are closed, and if the first, third and fifth valves are closed, the second, fourth and sixth valves are open.

28. (Previously Presented) The denitration system of claim 27, wherein the heat-treated active carbon is a heat treated carbon fiber.